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PATENT ABSTRACTS OF JAPAN

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(54) PIEZOELECTRIC LINEAR ULTRASONIC MOTOR

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a piezoelectric linear ultrasonic motor which directly makes the linear movement of a mover in forward and backward directions at a precision of nm order and is higher in efficiency and longer in service life.

SOLUTION: The piezoelectric linear ultrasonic motor includes a pair of half-wavelength converters 80 each comprising a plurality of piezoelectric ceramics 20 generating mechanical vibrations on horn 10 which is positioned at a lower

